

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : CANON INC

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(72)Inventor : WATANABE KOJI

## (54) OPTICAL EQUIPMENT

### (57)Abstract:

**PURPOSE:** To detect the absolute position of a moving lens in a short time and to shorten the rising time of a system in focusing operation.

**CONSTITUTION:** Detection mechanisms 14 and 15 for detecting the reference position of a lens L1 are provided at plural places in the optical equipment where the lens L1 is moved by a stepping motor 12 as a driving source, and a position detecting means 16 for detecting the absolute position of the lens L1 based on the number of steps of the stepping motor 12 from the reference position is also provided in the optical equipment.

